SDR Transformation Initiative
DoD WebSDR

SDR Committee Meeting, July 25, 2997

Information Exchange under the DLMS

Background

- **What is DoD WebSDR?**
- **WebSDR Concept**
- **Goals of Web SDR**
- **SF 364**
- **DLMS Supplement to Fed IC**

What is DoD WebSDR?

- **SDR Transformation Initiative**
  - **Transitions current mixed-environment to interoperable DoD Standard**
  - **Developed as a DLMS-compliant process, set in motion under OSD Business Initiatives Council in 2004**
- **WebSDR architecture is based upon a DAAS hub for communication and centralized data management**
  - **Eliminates the need for numerous point-to-point communications links**
  - **Transaction driven process eliminates the need to re-key SDRs within separate Component systems**
  - **Automatic e-mail reply to customer triggered by reply transaction eliminates action activity manual steps to print/mail/fax**

WebSDR Concept

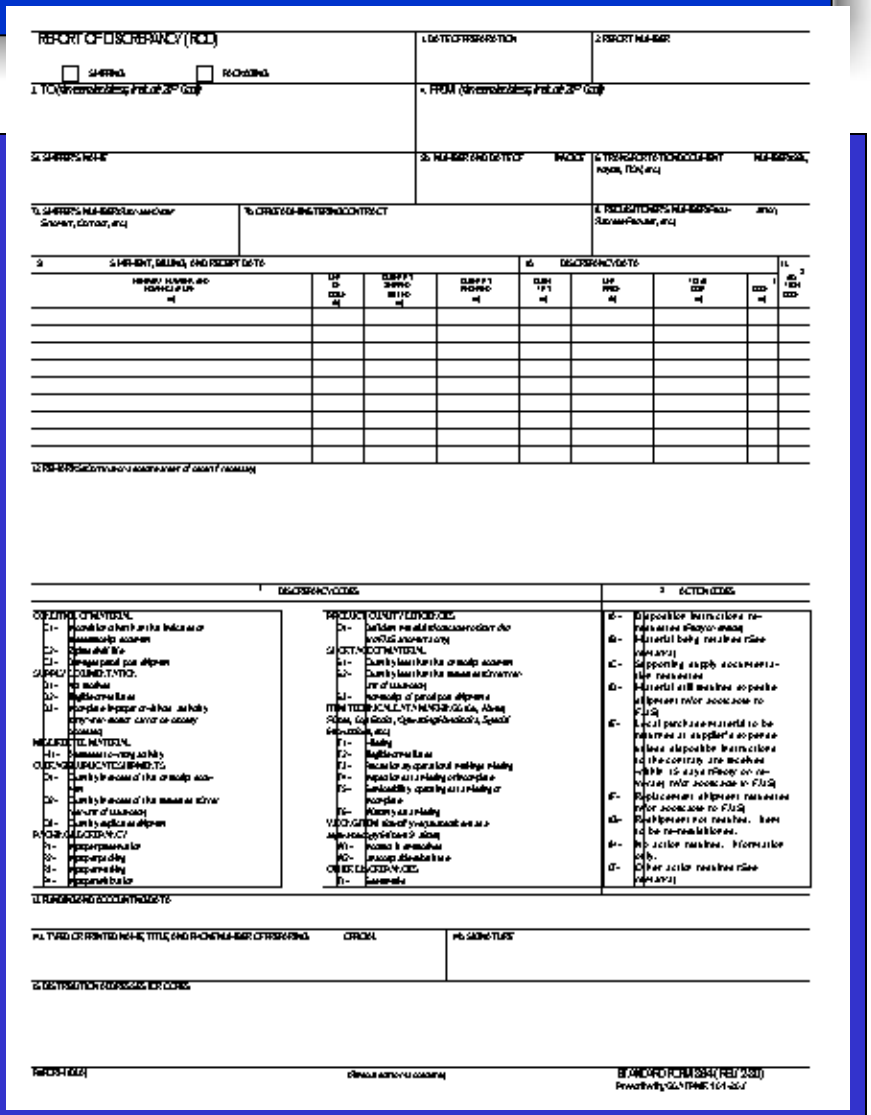
- **Phased development**
  - **Continuous process improvement beginning at initial operating capability (Feb 2005)**
  - **Working toward full DLMS compliant information exchange**
- **Benefits include:**
  - **Near real time SDR reporting for immediate identification and more speedy resolution of reported discrepancies**
  - **Facilitates interoperability internal and external to DoD**
  - **Supports unique item identification and other DoD initiatives**
  - **Maximizes the economy, efficiency, effectiveness**
  - **Future capture of perfect order fulfillment computations**

Goals of Web SDR

- **Quicker Response/Less Effort**
  - **Reduces delays resulting from misrouted SDRs or mailed documents**
  - **Electronic interface eliminates data entry at action activity**
- **Transaction exchange through logistics hub at DAAS**
- **Facilitated web-based entry available**
  - **Auto-fill feature uses DAAS requisition history to populate SDR**
  - **Data content targeted to specific discrepant condition**
  - **May be used by Military Services/Agencies (individual Service rules may differ)**
  - **Contractors may use for discrepancies related to Government Furnished Material**

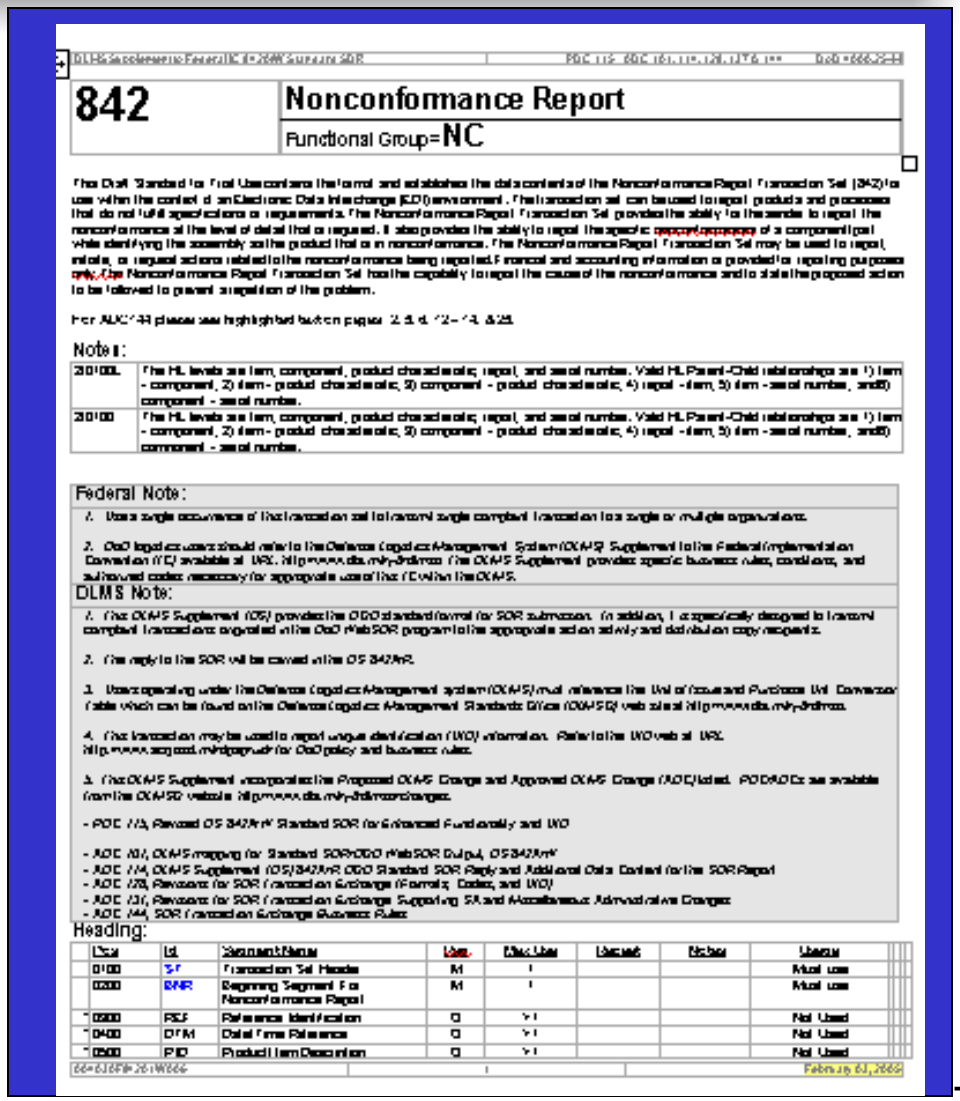
Business Object: DLMS 842A Derived from SF 364

- **Modernized systems will use business objects to transmit SDRs**
- **DLMS 842A available in X12 and XML format**
  - **Includes data fields from the original SF 364 plus more**
  - **DLMS codes to support transactional exchange**
  - **Component-unique data requirements**
  - **Place holders for future enhancements, e.g., UID**


REPORT OF DISCREPANCY (ROD)

Business Object: DLMS 842A DLMS Supplement to Fed IC
DoD 4000.25-M

- **Primary business object documentation is the DLMS Supplement (DS):**
  - **The DS establishes the DoD standard format for an electronic equivalent of the SF 364/SDR.**
  - **The DS provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.**
  - **Used to replace Component unique formats and paper form.**



842 Nonconformance Report

Functional Group=NC

This Draft Standard for Trial Use contains the format and establishes the data contents of the Nonconformance Report Transaction Set (842) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to report products and processes that do not fulfill specifications or requirements. The Nonconformance Report Transaction Set provides the ability for the sender to report the nonconformance at the level of detail that is required. It also provides the ability to report the specific [illegible] of a component part while identifying the assembly as the product that is in nonconformance. The Nonconformance Report Transaction Set may be used to report, initiate, or request actions related to the nonconformance being reported. Financial and accounting information is provided for reporting purposes only. The Nonconformance Report Transaction Set has the capability to report the cause of the nonconformance and to state the proposed action to be followed to prevent recurrence of the problem.

For ANSI X12 please see highlighted bottom paper 2.5.d. X2 - X3, 8.25.

Note 1:

20100.	The HL levels are item, component, product characteristic, report, and serial number. Valid HL Parent-Child relationships are 1) item - component, 2) item - product characteristic, 3) component - product characteristic, 4) report - item, 5) item - serial number, and6) component - serial number.
20100	The HL levels are item, component, product characteristic, report, and serial number. Valid HL Parent-Child relationships are 1) item - component, 2) item - product characteristic, 3) component - product characteristic, 4) report - item, 5) item - serial number, and6) component - serial number.

Federal Note:

1. Does single occurrence of this transaction set to transmit single compliant transaction for single or multiple organizations.

2. DoD logistics users should refer to the Defense Logistics Management System (DLMS) Supplement to the Federal Implementation Convention (IC) available at WEB: http://www.dla.mil/j-6/dlmso. The DLMS Supplement provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.

DLMS Note:

1. The DLMS Supplement (DS) provides the DOD standard format for SDR submission. In addition, it is specifically designed to transmit compliant transactions originated in the DoD Web SDR program to the appropriate action activity and distribution copy recipients.

2. The reply to the SDR will be passed in the DS 842R.

3. Users operating under the Defense Logistics Management System (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table which can be found on the Defense Logistics Management Standards Office (DLMSO) web site at http://www.dla.mil/j-6/dlmso.

4. This transaction may be used to report unique identification (UID) information. Refer to the UID web at WEB: http://www.acq.osd.mil/dpap/pdi for DoD policy and business rules.

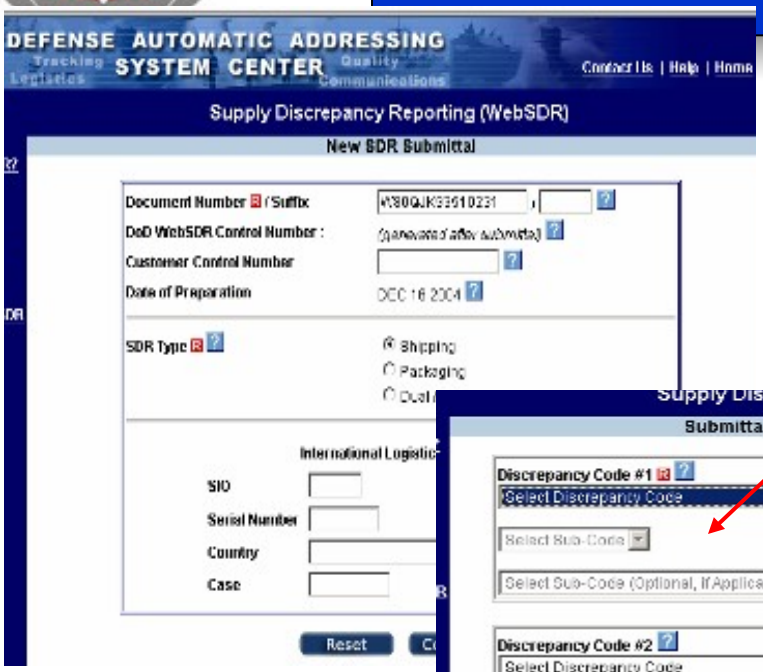
5. The DLMS Supplement incorporates the Proposed DLMS Change and Approved DLMS Change (ADC) listed. PDC/ADCs are available from the DLMSO website http://www.dla.mil/j-6/dlmso/changes.

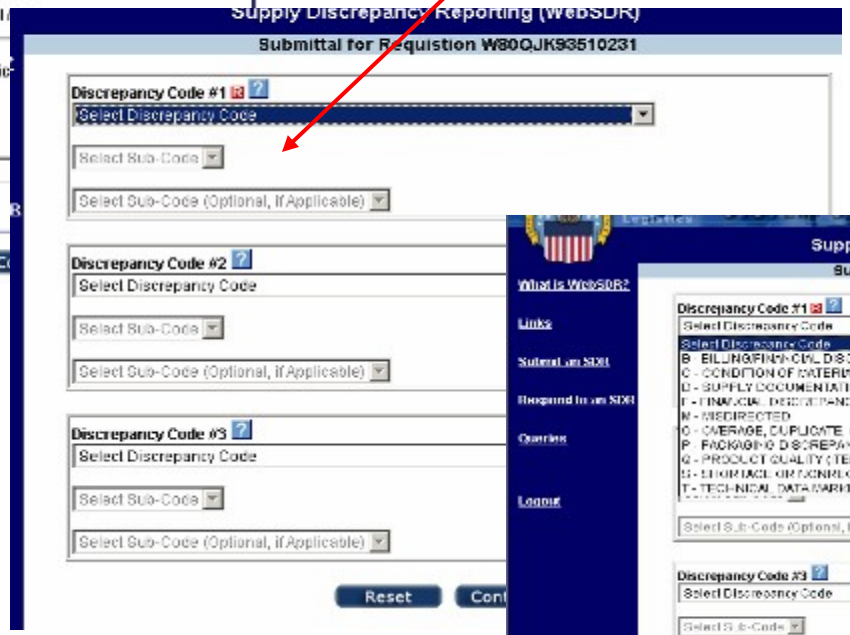
- PDC 77A, Revised DS 842R/R Standard SDR for Enhanced Functionality and UID
- ADC 80, DLMS mapping for Standard SDR/DOD Web SDR Output, DS 842R/R
- ADC 114, DLMS Supplement (DS) 842R/R DOD Standard SDR Reply and Additional Data Content for the SDR Report
- ADC 178, Revision for SDR Transaction Exchange (Formats, Codes, and UID)
- ADC 181, Revision for SDR Transaction Exchange Supporting SA and Miscellaneous Administrative Changes
- ADC 144, SDR Transaction Exchange Business Rules

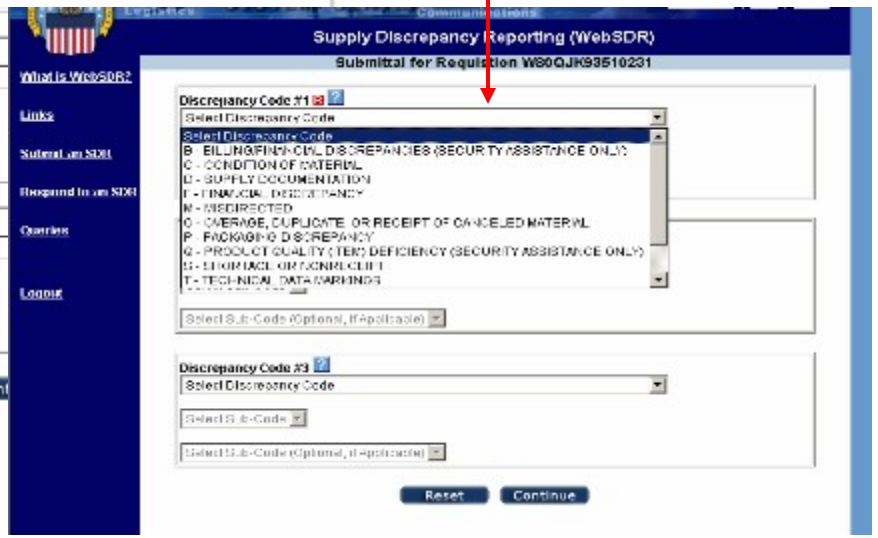
Heading:

Pos	Id	Segment Name	Use	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BNR	Beginning Segment For Nonconformance Report	M	1			Must use
0300	REF	Reference Identification	O	>1			Not Used
0400	DTM	Date/Time Reference	O	>1			Not Used
0500	PID	Product Item Description	O	>1			Not Used

SDR Submittal Process

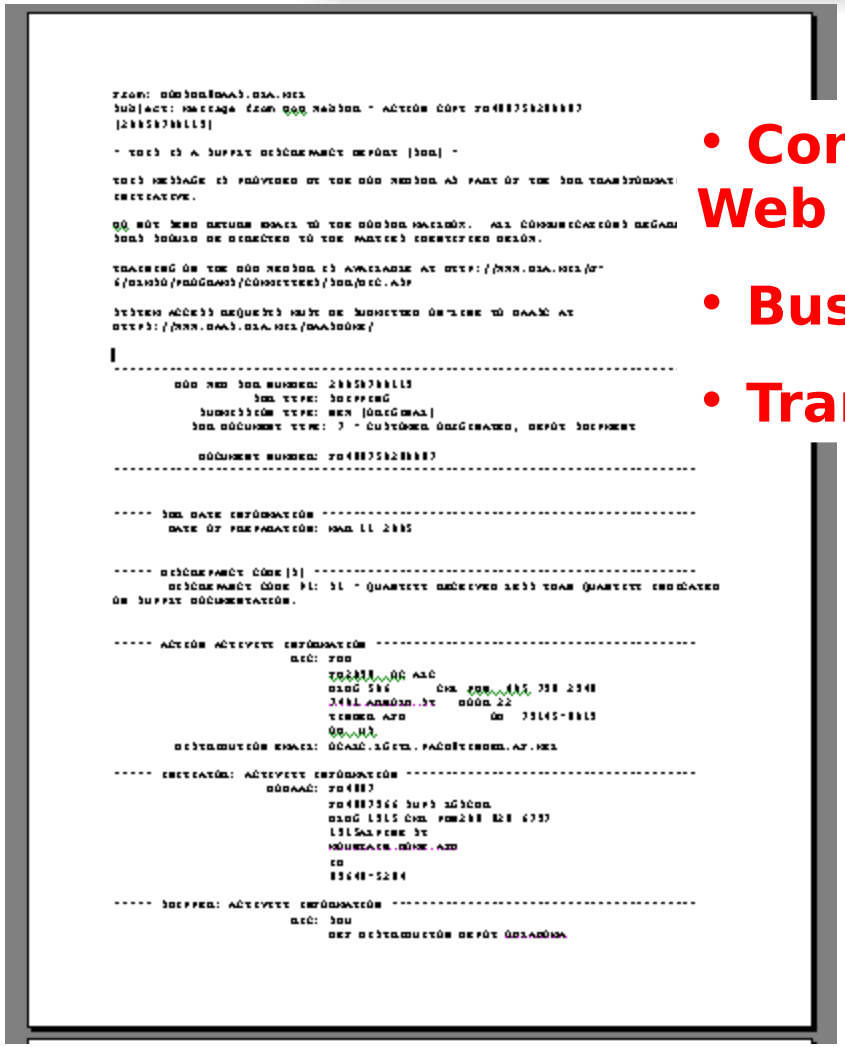






Level 2 drop window identifies conditions within selected category and completes the discrepancy code

Email Distribution



- **Confirmation copy for Web input**
- **Business rule driven**
- **Transaction driven**

Discussion

- **Issues**
- **Resource Constraints**
- **System Interfaces**
- **Interface Timeline**
- **Implementation Goals and DAAS Priorities**
- **DLMS Changes**

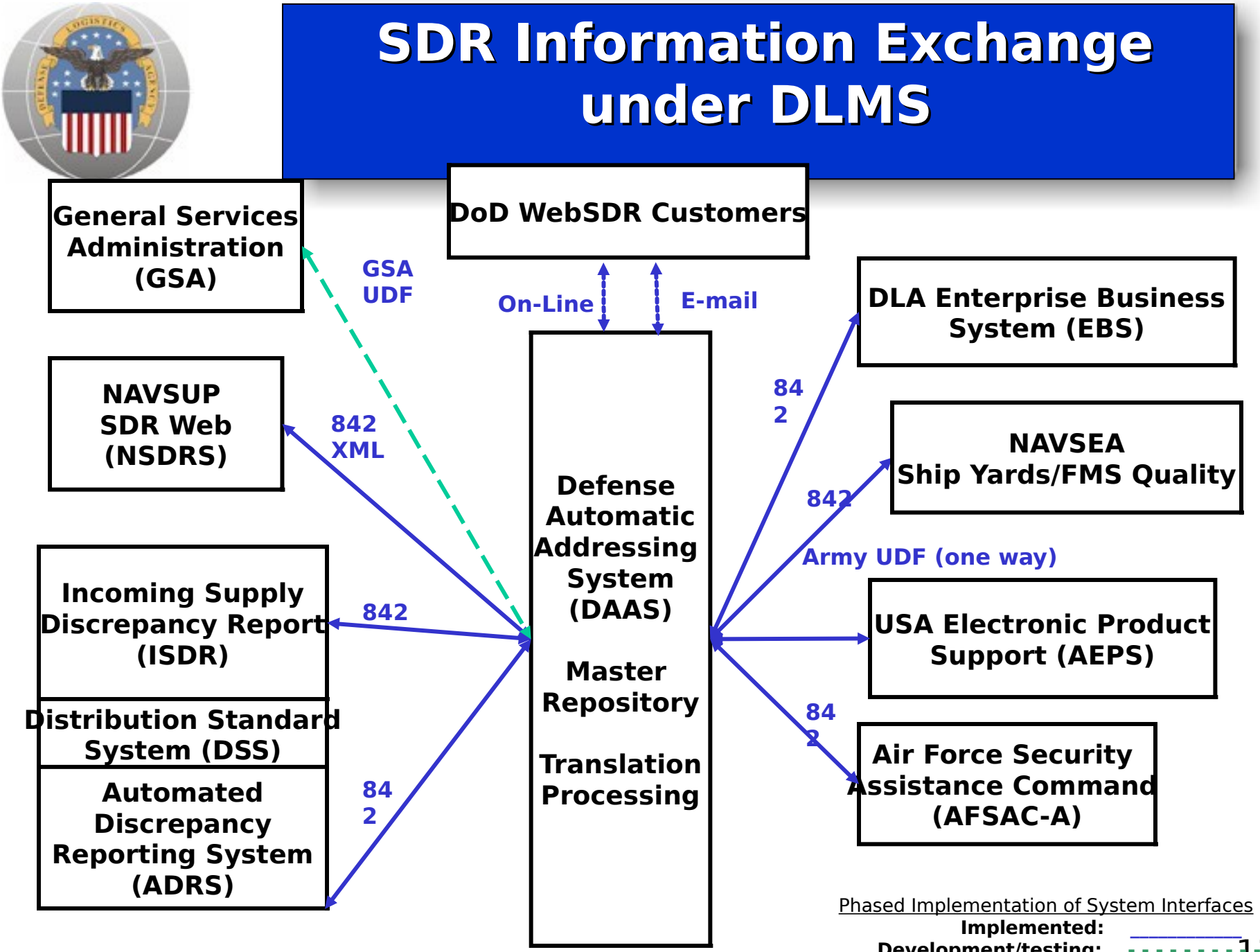
Issues

- **Not all Component interfaces have been implemented and WebSDR is experiencing many changes that must be worked with limited programming resources.**
  - **New requirements layered on top of incomplete baseline.**
  - **Competing priorities among Components.**

Resource Constraints

- **WebSDR is currently funded out of the DAASC budget**
- **Limited DAASC resources – available programmer/analyst support insufficient for volume of work**
- **Over 90 tasks pending**
- **24 - 36 month backlog, causing delays and frustration among user community**
- **New requirements added on an on-going basis**
- **BTA now funding development of requirements and new programming resources for greatly enhanced reports and query functionality**

SDR Information Exchange under DLMS



Interface Timeline

BIC Project Submission	**September 2003**
BIC Funding Received	**April 2004**
DLA Integration (DSS, SAMMS, BSM)	**January-February 2005**
AFSAC Implementation	**November 2005**
Army (AEPS) (one way – reports only)	**October 2006**
NAVSUP (NSDRS) Interface	**January/February 2007**
PDREP Interface	**April 2007**
EMALL Interface	**April 2008**
GSA Interface (one way)	**TBD – core programming complete**
Army Full Interface* ***Discussion topic**	**TBD** **AEPS or LMP** **UDF vs. DLMS**
NAVILCO/USASAC via AFSAC-	**TBD – awaiting funding**

Implementation Goals and DAAS Priorities

Additional Development Work

- **Electronic interfaces with Service systems:**
  - **Test DLMS interface with PDREP for DoD-wide distribution of SA quality reports**
  - **Finalize/test interfaces: GSA, Army, other……..**
- **Develop management reports and ad hoc queries**
  - **Components to provide input/concurrence for FRD**
- **Associate financial view (debit/credit) with discrepancy report query**
  - **Requirements definition required**
  - **Coordinate with Finance PRC for new Type Bill Code**
- **Complete implementation of DLMS Changes**
- **Ongoing enhancements/DAASC task list**

Prioritization of Requirements is a Key Issue!!

DAASC Task List

- **“To-Do List” to track/prioritize revisions: ranging from identified bugs to ADCs**
  - **Improve arrangement of e-mail SDR content**
  - **Info copy distribution to all parties identified on prior SDRs**
  - **Improved processing of routing decision for e-mail vs. transaction**
  - **Add capability to forward from historical records, other types?**
  - **AFSAC attachment interface through WebSDR**

DLMS Change Proposals

Approved DLMS Change

- **ADC 196: Establishes new rules and WebSDR capability to route SDRs resulting from DLA-directed lateral redistribution of NAMI-owned (AJ2) material to NAMI for initial processing**
  - **Phased implementation**
  - **Programmatic recognition of LRO under TAV with routing to NAMI**
  - **Long term procedures deferred -- requires Army automated reply via DAAS**

Approved DLMS Change

- **ADC 206: Establishes new discrepancy code for discrepant wood packaging material (WPM)**
  - **New Discrepancy Code: P215, Non-conformance to specified requirements for WPM**
    - **Available for use September 1, 2006**
    - **WPM not consistent with the international standards for transiting international boarders and Dept. of Agriculture regulations governing importation**
  - **Corrective action based upon the circumstances of the quarantined/ frustrated shipment, value and priority of the shipment, access to the shipment by DOD personnel, and location of the consignee. Alternatives include replacement of the WPM, consignee pick-up of the material only, return to origin or designated location.**
  - **Costs for repacking and appropriate disposal of the WPM will be the responsibility of the source of supply**
- **Refer to PDC for CCP WPM SDRs – under development**

Approved DLMS Change

- **ADC 210: Enhances web-entry for specific user groups:**
  - **Defense Reutilization and Marketing Service (DRMS): Gives DRMS capability to distinguish different types of SDRs, e.g., sales, donations, demil**
  - **National Inventory Management Strategy (NIMS): Allows NIMS sites to properly identify their submissions for DD/ICP processing**
  - **Non-DSS DD: Allows storage sites to submit type 8, 9, R (depot receipt type) SDRs directly into WebSDR to be routed electronically to the owner/manger/shipper as applicable**
  - **Adds SoS as web screen input**
  - **Scheduled for August-September 2007 implementation**

Approved DLMS Change

- **ADC 222: Modifies and adds Disposition/Status Codes available for use in SDR replies**
  - **Component implementation status?**

126 Stock not available will not be reshipped in response to SDR

150 Your requisition will be reinstated and placed on backorder

151 Replacement/revised disposition/status; prior response is superseded

932 Transaction rejected. Missing or invalid wrong item information

Approved DLMS Change

- **ADC 225: Creates a trigger to obtain an information copy from DOD WebSDR**
  - **Scheduled for August 07 implementation**
  - **WebSDR/DAAS creation/transmission of information copy SDR in response to an SDR reply reject code sent to DAAS.**
    - **The reject condition is applicable when the source of supply (SoS) is DLA (Routing Identifier SMS); the Distribution Depot (DD) is the action activity; and DLA cannot process the DD reply due to lack of a record establishing the basic report**
    - **If report found in WebSDR database, an information copy will be sent to the organization submitting the reject reply**
- **ADC 225A:**
  - **Scheduled for July 07 implementation**
  - **Alternative proactive approach to providing required information copy**
    - **DAAS creation of information copy based upon storage site reply identifying DLA SoS and data base look-up to determine whether an information copy has already been provided**
    - **If not, one will be created and transmitted in advance of sending the storage site reply**

Approved DLMS Change

- **ADC 245A, Notification for DD PQDR Exhibit Receipt**
  - **Scheduled for interim implementation October 2007**
  - **Implements SDR receipt alert process for USAF material**
    - **Applies ADC 188: Establishes new quality related discrepancy codes for DD to notify ICP regarding specific quality related issues (receipt & storage)**
    - **Q11 = Returned or stock screen item, PQDR exhibit deficiency**
  - **New routing rule at DAAS**
  - **Two new data elements are added to the SDR format at later date**
    - **AF PQDR Accession Number (1st line of remarks for interim)**
    - **PQDR Record Control Number**

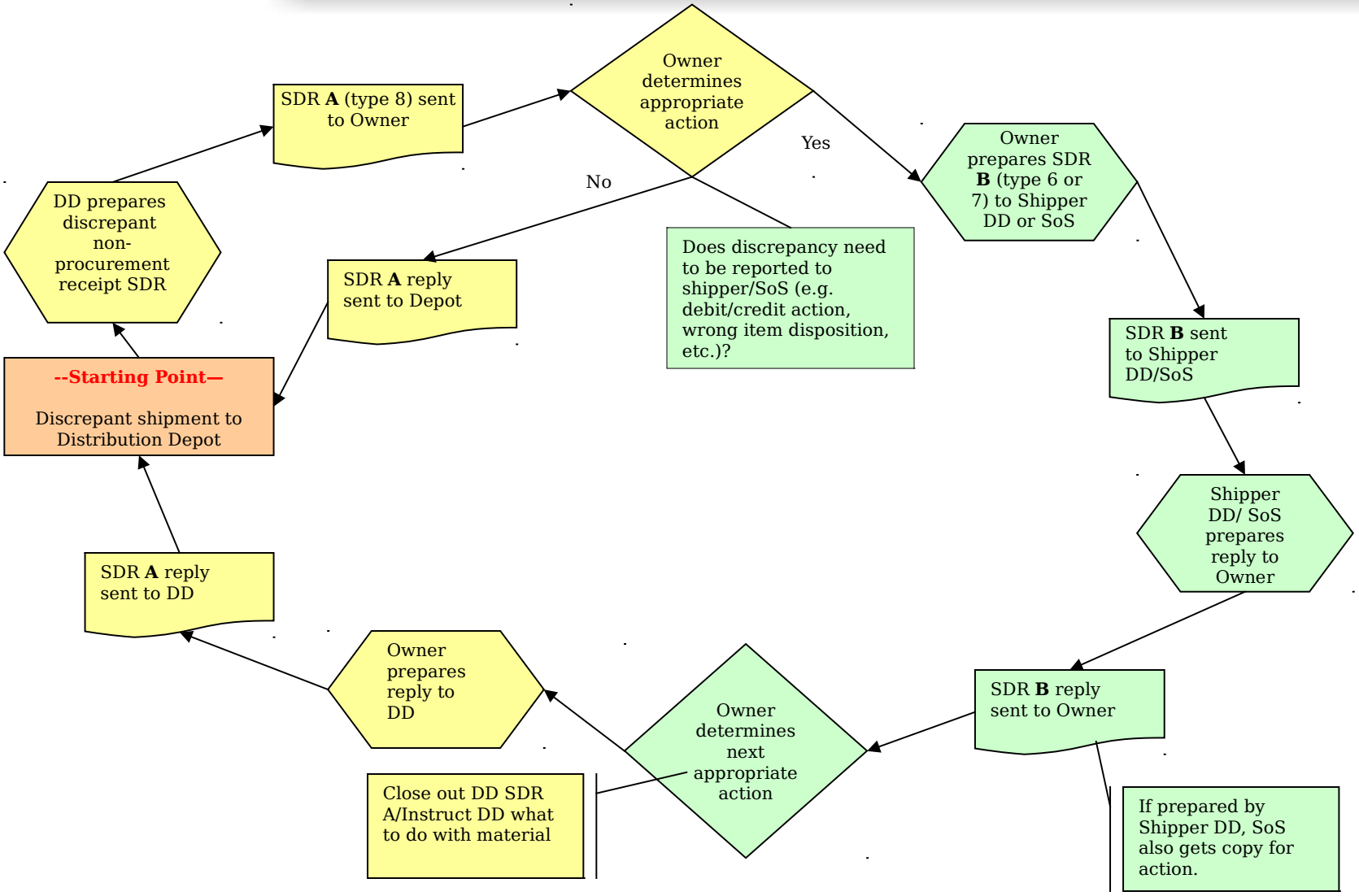
PDC In Coordination

- **PDC 226, WebSDR/SDR Transaction Edits: Forwarding and Follow-up Timeframes**
  - **Three new edits to improve data quality and enforce existing business rules**
    - **Follow-up transactions will be edited to ensure that an appropriate time has elapsed before follow-ups may be submitted**
    - **SDRs replies forwarding the original report to a new action activity (reply code 504) may not be used to forward the Distribution Depot Receipt SDRs from Material Owner to the Source of Supply.**
    - **SDR replies requesting forwarding of the SDR to a new action activity (reply code 504) may not be used to forward historical or other record types which lack full data content necessary to establish a basic SDR report transaction.**

PDC 226, continued

- **Rules for Distribution Depot Discrepant Non-procurement Receipt SDRs (Type 8)**
  - **Requisitioned material shipped to Distribution Depot which processes the receipt**
  - **Discrepant receipt SDR submitted to the Owner; Owner needs to submit SDR to SoS**
  - **The standard 504 forwarding does not work – it generates a new SDR and does not carry forward owner comments or owner requested action to the SoS**
  - **Two separate SDRs are necessary at this time.**

PDC 226, continued



PDC Under Development

- **PDC for SDRs prepared by Distribution Depot's CCP operations to notify shippers that their OCONUS wood packaging material (WPM) shipment is not in compliance with ISPM requirements**
  - **Implements new procedures associated with ADC 206, Establish New Discrepancy Code for Discrepant WPM**
  - **Requires new type code with variation of content**
    - **TCN level**
    - **Pallet may carry multiple NSNs and multiple document numbers**
  - **Operational issue – delay in forward movement**
    - **New Shipment Hold Code**

PDC Under Development

- **PDC 176A: Requires mandatory use of detail level (four-character) packaging discrepancy codes by Distribution Depots and USAF Customers**
  - **PDC to be completed by DLMSO**
  - **DLA and USAF agreement during 06 meeting**

PDC Under Development

- **PDC 212: DAAS edit to systemically reject SDRs with invalid document numbers back to submitter or submitting system (establishes duplicate criteria)**
  - **Requires WebSDR/DAAS to validate the Document number field when it is manually entered into WebSDR or when it is received from another system**
    - **Standard document number edits**
    - **Duplicate document number edit**
      - **What is a duplicate?**
      - **Permit new SDR with document/suffix match to previous SDR when:**
        - » **Partial TCN**
        - » **Original SDR not accepted by action activity**
        - » **Discrepancy Code is different**
        - » **Discrepancy Code is for concealed shortage/wrong item/IUID**

PDC Under Development

- **PDC for DLA query requirement**
  - **Provides a query to identify/measure DLA Customer Interaction Center input on behalf of customer using hard copy or other reporting method.**
  - **Identified for 06 meeting -- requirement not yet submitted**

PDC Under Development

- **PDC for new USAF information copy requirement**
  - **Creation of a drop down menu which would trigger info copy of SDRs to the appropriate Logistics Support Centers (LSC)**
  - **Several USAF bases and Forward Supply Locations have cited examples of receiving duplicate shipments or receipts not due-in as a result of shipments directed by one of the RSSs or LSCs. Generally these shipments are connected to MICAPs, and when one does get messed up, the receiving activity submits an SDR via WebSDR to the shipping activity. Generally the shipping activity is another Air Force Base or a depot, and that activity really didn't do anything wrong…it's usually a simple case of the RSS or LSC not running the SPR for the receiving base.**